

Attorney Docket No.		NTI-030
First Inventor		James K. Falbo
Title	"SHAPE-BASED GEOMETRY ENGINE TO PERFORM SMOOTHING..."	
Express Mail Label No.	EL918877760US	

(Only for new nonprovisional applications under 37 CFR 1.53(b))

*See MPEP chapter 600 concerning utility patent application contents*

**ADDRESS TO:** Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
  2. ☐ Applicant Claims small entity status.  
See 37 C.F.R. § 1.27.
  3. ☒ Specification [Total Pages 41]  
(preferred arrangement set forth below)
    - Descriptive title of the Invention
    - Cross References to Related Applications
    - Statement Regarding Fed-Sponsored R&D
    - Reference to sequence listing, a table, or a computer program listing appendix
    - Background of the Invention
    - Brief Summary of the Invention
    - Brief Description of the Drawings (if filed)
    - Detailed Description
    - Claim(s)
    - Abstract of the Disclosure
  4. ☒ Drawing(s) (35 U.S.C. § 113) [Total Sheets 15]
    - ☐ Informal ☒ Formal

Use Figure      for front page of Publication.
  5. ☒ Oath or Declaration [Total Pages 3]
    - a. ☒ Newly executed (original or copy)
    - b. ☐ Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)
      - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
  6. ☐ Application Data Sheet. See 37 C.F.R. § 1.76
  7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
  8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
    - a. ☐ Computer Readable Form (CRF)
    - b. Specification Sequence Listing on:
      - i. ☐ CD-ROM or CD-R (2 copies); or
      - ii. ☐ Paper
    - c. ☐ Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR §3.73(b) Statement ☒ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS) PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122(b)(2)(B)(i)  
Applicant must attach form PTO-SB-35 or its equivalent.
17. ☐ Other:

18. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 C.F.R. § 1.76:

☐ Continuation    ☐ Divisional    ☐ Continuation-in-part (CIP) of prior application No. /


Prior application information: Examiner \_\_\_\_\_ Group/Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

☒ *Customer Number or Bar Code Label*      029477      or ☐ *Correspondence address below*

NAME					
ADDRESS					
CITY		STATE		ZIP CODE	
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Name (Print/Type)	Jeanette S. Harms	Registration No. (Attorney/Agent)	35,537
Signature		Date	December 31, 2001

**Burden Hour Statement:** This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

# FEE TRANSMITTAL for FY 2002

*Patent fees are subject to annual revision.*

## Complete if Known

Application Number	Filed Herewith
Filing Date	12/26/2001
First Named Inventor	James K. Falbo
Examiner Name	
Group/Art Unit	
Attorney Docket Number	NTI-030

**TOTAL AMOUNT OF PAYMENT** (\$ ) 1,830.00

### METHOD OF PAYMENT (check one)

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 50-0574

Deposit Account Name Bever, Hoffman & Harms, LLP

- ☒ Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17  
☐ Applicant claims small entity status. See 37 C.F.R. § 1.27

### 2. ☒ Payment Enclosed:

☒ Check ☐ Credit Card ☐ Money Order ☐ Other

### FEE CALCULATION

#### 1. BASIC FILING FEE

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	<span style="border: 1px solid black; padding: 2px;">740.00</span>
106	330	206	165	Design filing fee	<span style="border: 1px solid black; padding: 2px;"></span>
107	510	207	255	Plant filing fee	<span style="border: 1px solid black; padding: 2px;"></span>
108	740	208	370	Reissue filing fee	<span style="border: 1px solid black; padding: 2px;"></span>
114	160	214	80	Provisional filing fee	<span style="border: 1px solid black; padding: 2px;"></span>
<b>SUBTOTAL (1)</b>					<span style="border: 1px solid black; padding: 2px;">(\$ ) 740.00</span>

#### 2. EXTRA CLAIM FEES

	Extra Claims	Fee from below	Fee Paid
Total Claims <span style="border: 1px solid black; padding: 2px;">55</span>	-20** = <span style="border: 1px solid black; padding: 2px;">35</span>	x <span style="border: 1px solid black; padding: 2px;">18.00</span>	= <span style="border: 1px solid black; padding: 2px;">630.00</span>
Independent Claims <span style="border: 1px solid black; padding: 2px;">8</span>	-3** = <span style="border: 1px solid black; padding: 2px;">5</span>	x <span style="border: 1px solid black; padding: 2px;">84.00</span>	= <span style="border: 1px solid black; padding: 2px;">420.00</span>
Multiple Dependent		<span style="border: 1px solid black; padding: 2px;">280.00</span>	= <span style="border: 1px solid black; padding: 2px;">00.00</span>

*\*\*or number previously paid, if greater, For Reissues, see below*

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

**SUBTOTAL (2)** (\$ ) 1050.00

### FEE CALCULATION (continued)

#### 3. ADDITIONAL FEES

Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	<span style="border: 1px solid black; padding: 2px;"></span>
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	<span style="border: 1px solid black; padding: 2px;"></span>
139	130	139	130	Non-English specification	<span style="border: 1px solid black; padding: 2px;"></span>
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	<span style="border: 1px solid black; padding: 2px;"></span>
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	<span style="border: 1px solid black; padding: 2px;"></span>
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	<span style="border: 1px solid black; padding: 2px;"></span>
115	110	215	55	Extension for replay within first month	<span style="border: 1px solid black; padding: 2px;"></span>
116	400	216	200	Extension for reply within second month	<span style="border: 1px solid black; padding: 2px;"></span>
117	920	217	460	Extension for reply within third month	<span style="border: 1px solid black; padding: 2px;"></span>
118	1440	218	720	Extension for reply within fourth month	<span style="border: 1px solid black; padding: 2px;"></span>
128	1,960	228	980	Extension for reply within fifth month	<span style="border: 1px solid black; padding: 2px;"></span>
119	320	219	160	Notice of Appeal	<span style="border: 1px solid black; padding: 2px;"></span>
120	320	220	160	Filing a brief in support of an appeal	<span style="border: 1px solid black; padding: 2px;"></span>
121	280	221	140	Request for oral hearing	<span style="border: 1px solid black; padding: 2px;"></span>
138	1,510	138	1,510	Petition to institute a public use proceeding	<span style="border: 1px solid black; padding: 2px;"></span>
140	110	240	55	Petition to revive - unavoidable	<span style="border: 1px solid black; padding: 2px;"></span>
141	1,280	241	640	Petition to revive - unintentional	<span style="border: 1px solid black; padding: 2px;"></span>
142	1,280	242	640	Utility issue fee (or reissue)	<span style="border: 1px solid black; padding: 2px;"></span>
143	460	243	230	Design issue fee	<span style="border: 1px solid black; padding: 2px;"></span>
144	620	244	310	Plant issue fee	<span style="border: 1px solid black; padding: 2px;"></span>
122	130	122	130	Petitions to the Commissioner	<span style="border: 1px solid black; padding: 2px;"></span>
123	50	123	50	Petitions related to provisional applications	<span style="border: 1px solid black; padding: 2px;"></span>
126	180	126	180	Submission of Information Disclosure Stmt	<span style="border: 1px solid black; padding: 2px;"></span>
581	40	581	40	Recording each patent assignment per property (times number of properties)	<span style="border: 1px solid black; padding: 2px;">40.00</span>
146	740	246	370	Filing a submission after final rejection (37 CFR 1.129(a))	<span style="border: 1px solid black; padding: 2px;"></span>
149	740	249	370	For each additional invention to be examined (37 CFR 1.129(b))	<span style="border: 1px solid black; padding: 2px;"></span>
179	740	279	370	Request for Continued Examination (RCE)	<span style="border: 1px solid black; padding: 2px;"></span>
169	900	169	900	Request for expedited examination of a design application	<span style="border: 1px solid black; padding: 2px;"></span>

Other fee (Specify) \_\_\_\_\_

\* Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)** (\$ ) 40.00

### SUBMITTED BY

Name (Print/Type) Jeanette S. Harms

Signature

Registration No (Attorney/Agent) 35,537

### Complete (if applicable)

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Date December 26, 2001